

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
ODESA NATIONAL MEDICAL UNIVERSITY**

APPROVED

**by the Academic Council of Odesa
National Medical University
«29» June, 2023
Record № 8**

IMPLEMENTED

**By order
Of the Rector of
Odesa National Medical University
Valerii ZAPOROZHAN**

of «29» June, 2023
№ 553-0



**EDUCATIONAL AND PROFESSIONAL PROGRAM
«DENTISTRY»**

**FOR TRAINING OF SPECIALISTS AT THE SECOND (MASTER'S) LEVEL OF
HIGHER EDUCATION**

speciality 221	«Dentistry»
branch of knowledge 22	«Health Care»
educational qualification	«Master of Dentistry»
professional qualification	«Dentist»

**LETTER OF APPROVAL
OF EDUCATIONAL AND PROFESSIONAL PROGRAM**

“DENTISTRY”

1. SUBMITTED:

By the Subject-cycle Methodological Commission for Dentistry Disciplines

Record No. 5 dated «10» 05 2023

Head


Volodymyr KRYKLIAS

2. APPROVED:

By the Central Qualification Methodical Council of Odesa National Medical University

Record No.5 dated «05»May, 2023

Head


Nina MATSEHORA

PREFACE

Developed by the project group consisting of:

Guarantor of the educational and professional program: A. H. Huliuk – Guarantor of the Program, Project team leader, Head of the Dental Surgery Department, Doctor of Medicine, professor.

Project group:

- V.N. Horokhivskiy - Doctor of Medicine, Professor, Head of the Department of Orthodontics;
- V.Ya. Skyba. - Doctor of Medicine, Professor, Head of the Department of Therapeutic Dentistry;
- O. V. Dienha - Doctor of Medicine, Professor, Head of the Department of Pediatric Dentistry;
- I. P. Annenkova - doctor of pedagogy, associate professor, acting head of the educational department;
- V. V. Valda– Doctor of Medicine, Associate Professor, Dean of the Faculty of Dentistry;
- V. H. Kryklyas – Doctor of Medicine, Associate Professor, Associate Professor of the Department of Surgical Dentistry;
- I. O. Tarasenko – assistant of the Department of Pediatric Dentistry;
- O. L. Kordonets - assistant of the Department of Orthodontics;
- A.O. Rozumenko – assistant of the Department of Surgical Dentistry;
- K. H. Ovannesian– laboratory assistant of the Department of Surgical Dentistry;
- I.Yu. Stefanchuk - student of higher education majoring in "Dentistry".

The professional expertise of the educational and professional program was carried out by:

1. Head of the Department of Surgical Dentistry and Maxillofacial Surgery of NMU named after O. O. Bohomolets, corresponding member of the National Academy of Sciences of Ukraine, President of the Ukrainian Association of Cranio-Maxillofacial Surgery, Doctor of Medicine, Professor V. O. Malanchuk;
2. Head of the Department of Surgical Dentistry and Maxillofacial Surgery with Plastic and Reconstructive Surgery of the Head and Neck of the Ukrainian Medical Stomatological Academy, Doctor of Medicine, Professor D. S. Avetikov;
3. Head of the Department of Surgical Dentistry and Maxillofacial Surgery of Vinnytsia National Medical University, Doctor of Medicine, Professor S. M. Shuvalov;
4. Head of the Department of Therapeutic Dentistry of the Ukrainian Medical Stomatological Academy, Doctor of Medicine, Professor Petrushanko T. A.;

5. Head of the Department of Pediatric Dentistry of the Ukrainian Medical Stomatological Academy, Doctor of Medicine, Professor P. I. Tkachenko;
6. Professor of the Department of Orthodontics of Lviv National Medical University named after D. Halytskyi, Doctor of Medicine, Professor B. M. Mirchuk;
7. Head of the department of maxillofacial surgery with otorhinolaryngological beds of the municipal non-commercial enterprise "City Hospital of Emergency and Urgent Medical Aid" of Zaporizhia City Council, Doctor of Medicine. S. D. Varzhapetian;
8. Director of the municipal non-commercial enterprise "Dentistry Polyclinic No. 6 of Zaporizhia City Council " N. V. Sykach

1. PROFILE OF THE EDUCATIONAL AND PROFESSIONAL PROGRAM IN SPECIALTY 221 "DENTISTRY"

1.1. General Information

Full name of the institution of higher education	Odesa National Medical University
The degree of higher education and the title of the qualification in the original language	The degree of education – Master Educational qualification – Master of Dentistry Professional qualification – Dentist Qualification in the diploma – Master of Dentistry. Dentist
The official name of the educational and professional program	Dentistry
Type of diploma and scope of the educational and professional program	Master's degree, single, 300 ECTS credits
Availability of accreditation	Ministry of Education and Science of Ukraine The date of the last accreditation was July 1, 2014. National Agency for Quality Assurance of Higher Education <u>Certificate of accreditation of the educational program No. 1481 dated April 29, 2021</u>
Cycle/level	NQF (National Qualification Framework) of Ukraine – 7 th level FQ-EHEA – second cycle EQF-LLL – 7 th level
Prerequisites	A person has the right to obtain a master's degree on the basis of a complete general secondary education based on the results of an external independent assessment. Admission based on the degree of "bachelor", "junior bachelor", "specialist junior bachelor" or the educational and qualification level of a junior specialist in the specialty 221 "Dentistry" or "Dental Technician" is carried out based on the results of external independent assessment and entrance exams at a higher education institution in subjects (disciplines) of which no external independent evaluation is conducted. Conditions for admission are determined by the Rules of Admission to ONMedU.
Language(s)	Ukrainian, English
The term of validity of the educational and professional program	Till 2028
Internet address of the permanent placement of the description of the educational and professional program	https://onmedu.edu.ua/osvita/osvitni-programi/

1.2. Purpose of the educational and professional program

Training of highly qualified specialists who are able to use acquired competences to solve complex tasks and problems in the field of dentistry and health care or in the process of learning characterized by uncertainty of conditions and requirements and to perform the professional activities of a dentist as well as to continue training with a high degree of autonomy.

1.3. Characteristics of the educational and professional program

Subject area (field of knowledge, specialty)	Field of knowledge – 22 «Health care» Speciality – 221 «Dentistry»
Description of the subject area	<p><i>Object of activity:</i> preservation of health, in particular dental health, prevention, diagnosis and treatment of human dental diseases.</p> <p><i>Learning goals:</i> training a specialist capable of solving complex tasks and problems in the field of dentistry and health care or in the process of learning, characterized by the uncertainty of conditions and requirements and performing the professional activities of a dentist.</p> <p><i>Theoretical content of the subject area:</i> knowledge of humanitarian, fundamental (natural and social) and clinical sciences on public health issues, prevention, diagnosis and treatment of human dental diseases at the individual, family and population level, necessary for the professional activities of a dentist.</p> <p><i>Methods, techniques and technologies:</i> anamnestic, clinical, laboratory, X-ray and functional methods of diagnosis according to the protocols of providing medical care; technologies of diagnosis, treatment and prevention of dental diseases, management and organization of work in the field of health care.</p> <p><i>Tools and equipment:</i> modern diagnostic and therapeutic means, objects and devices for carrying out professional activities</p>
Orientation of the educational and professional program	The educational and professional program is an applied program with a professional focus on theory and practical dentistry.
The main focus of the educational and professional program and specialization	Special higher education in the field of knowledge 22 "Health care", specialty 221 "Dentistry". Keywords: master's degree, dentistry, health care, complete higher medical education.
Description of the subject area	<p>Full-time education.</p> <p>The program is aimed at students acquiring competencies that are necessary for specialists in the field of dentistry by combining theoretical and practical training with the use of innovative technologies, modern equipment (including simulation) on the basis of the university, clinical bases and dental clinics of Odesa. The educational process is based on student-centered, practice-oriented and competency-based approaches, in compliance with the principle of "lifelong learning" - continuous professional development. It is aimed at the formation of complex clinical thinking, practical and emotional intelligence in graduates for the effective implementation of professional competencies.</p> <p>It is taught in Ukrainian and English.</p>

1.4. Graduates' suitability for employment and further education

Suitability for employment	<p>After completing the educational and professional master's program in the specialty "Dentistry", the specialist is able to perform professional work, in accordance with classification of types of economic activity DK 009:2010:</p> <p>Section Q. Health care and social assistance Chapter 86. Health care Group 86.2 Medicine and dental practice Class 86.23 Dental practice</p> <p>After completing educational and professional studies a specialist in the "Dentistry" specialty program is able to perform professional work as an:</p> <ul style="list-style-type: none"> - intern doctor (PC code – 3229); - trainee doctor (PC code – 3221); - resident doctor (PC code - XXX).
Further Education	<p>A graduate of the program has the right to acquire additional qualifications and medical specializations in the adult education system by entering postgraduate education programs (internship, clinical residency). Pass the specialization and perform the relevant professional work of a dentist of a certain specialty, which is specified in the current National Classifier of Ukraine "Profession Classifier". He can also continue his education at the third (educational and scientific) level of higher education. Acquisition of additional qualifications in the post-graduate education system is also envisaged.</p>

1.5. Teaching and assessment

Teaching and training	<p>The basis for the organization of the educational process is a competency-based and student-centered approach. It is based on the principles of andragogy and the principles of academic freedom with the possibility of forming the individual educational trajectory of the applicant. The educational process is carried out using contextual, problem-oriented learning, modern information and communication technologies.</p> <p>The main forms of organization of the educational process are: lectures, practical classes in small groups, independent work, consultations, curation of patients, practical placements, cycles of simulation training.</p>
Assessment	<p>Control measures include diagnostic, current and final (semester) control.</p> <p>Forms of current control: classroom tests, test control, control of practical skills, case histories defense.</p> <p>Forms of final control: tests, differentiated tests, oral and written exams.</p> <p>Certification – USQE (Unified State Qualification Exam).</p> <p>Assessment principles: objectivity, planning, systematicity, unity of requirements, openness, transparency, economy, accessibility and comprehensibility of the assessment methodology, taking into account the individual capabilities of higher education applicants.</p> <p>Assessment and control of the learning results of higher education applicants is carried out in accordance with the Regulation "On the organization of the educational process at the Odesa National Medical University".</p>

1.6. Program competencies

Integral competency of the master's degree (level 7) according to the requirements of the NQF	The ability to solve typical and complex specialized tasks and problems in the field of health care in the specialty "Dentistry", in professional activities or in the learning process, which involves conducting research and/or implementing innovations and is characterized by the complexity and uncertainty of conditions and requirements.
General competencies according to the requirements of the NQF	<p>GC1. Ability to abstract thinking, analysis and synthesis.</p> <p>GC2. Knowledge and understanding of the subject area and understanding of professional activity.</p> <p>GC3. Ability to apply knowledge in practical activities.</p> <p>GC4. Ability to communicate in the national language both orally and in writing.</p> <p>GC5. Ability to communicate in English.</p> <p>GC6. Skills in using information communication technologies.</p> <p>GC7. Ability to search, process and analyze information from various sources.</p> <p>GC8. Ability to adapt and act in a new situation.</p> <p>GC9. Ability to identify, pose and solve problems.</p> <p>GC10. Ability to be critical and self-critical.</p> <p>GC11. Ability to work in a team.</p> <p>GC12. Desire to preserve the environment.</p> <p>GC13. Ability to act socially responsibly and consciously.</p> <p>GC14. Ability to realize one's rights and responsibilities as a member of society, to realize the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of a person and a citizen in Ukraine.</p> <p>GC15. Ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technologies, to use various types and forms of motor activity for active recreation and leading a healthy lifestyle.</p>
Special (professional, subject) competencies	<p>SC1. Ability to collect medical information about the patient and analyze clinical data.</p> <p>SC2. Ability to interpret the results of laboratory and instrumental research.</p> <p>SC3. Ability to diagnose: determine preliminary, clinical, final, accompanying diagnosis, emergency conditions.</p> <p>SC4. Ability to plan and carry out measures for the prevention of diseases of the organs and tissues of the oral cavity and maxillofacial region.</p> <p>SC5. Ability to design the process of providing medical care: to determine the approaches, plan, types and principles of treatment of diseases of the organs and tissues of the oral cavity and maxillofacial region.</p> <p>SC6. Ability to determine a rational regimen of work, rest, and diet in patients in the treatment of diseases of the organs and tissues of the oral cavity and maxillofacial region.</p> <p>SC7. Ability to determine the management tactics of patients with diseases of the organs and tissues of the oral cavity and maxillofacial region with accompanying somatic diseases.</p> <p>SC8. Ability to perform medical and dental manipulations.</p> <p>SC9. Ability to treat the main diseases of the organs and tissues of the oral</p>

	<p>cavity and maxillofacial area.</p> <p>SC10. Ability to organize and carry out medical evacuation measures.</p> <p>SC11. Ability to determine tactics, methods and provision of emergency medical assistance.</p> <p>SC12. Ability to organize and conduct a screening examination in dentistry.</p> <p>SC13. Ability to assess the impact of the environment on the state of health of the population (individual, family, population).</p> <p>SC14. Ability to maintain regulatory medical documentation.</p> <p>SC15. Processing of state, social and medical information.</p> <p>SC16. Ability to organize and carry out rehabilitation measures and care for patients with diseases of the oral cavity and the maxilla-facial region..</p> <p>SC17. The ability to legalдн support professional activities</p> <p>SC18. The ability to provide pre-medical care according to the protocols of tactical medicine.</p>
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1.7. Program learning outcomes

PLO 1.	Identify leading clinical symptoms and syndromes (according to list 1); according to standard methods, using the previous data of the patient's history, data of the patient's examination, knowledge about the person, his organs and systems, establish a probable nosological or syndromic preliminary clinical diagnosis of a dental disease (according to list 2)
PLO 2.	Collect information about the patient's general condition, evaluate the patient's psychomotor and physical development, the condition of the maxillofacial organs, based on the results of laboratory and instrumental studies, evaluate information about the diagnosis (according to list 5).
PLO 3.	Assign and analyze additional (mandatory and optional) examination methods (laboratory, X-ray, functional and/or instrumental) according to list 5, of patients with diseases of organs and tissues of the oral cavity and maxillofacial region for differential diagnosis of diseases (according to list 2).
PLO 4.	Determine the final clinical diagnosis in compliance with the relevant ethical and legal norms, by making a reasoned decision and logical analysis of the received subjective and objective data of clinical, additional examination, carrying out differential diagnosis under the control of the doctor-supervisor in the conditions of a medical institution (according to list 2.1).
PLO 5.	Establish a diagnosis of emergency conditions under any circumstances (at home, in the street, in a medical institution), in conditions of emergency, martial law, lack of information and limited time (according to list 4)
PLO 6.	Plan and implement measures dental diseases prevention among the population to prevent the spread of dental diseases.
PLO 7.	Analyze the epidemiological situation and carry out mass and individual, general and local drug and non-drug prevention measures for dental diseases.
PLO 8.	Determine the approach, plan, type and principle of treatment of dental disease (according to list 2) by making a reasoned decision according to existing algorithms and standard schemes.
PLO 9.	Determine the nature of work, rest and necessary diet in the treatment of dental diseases (according to list 2) on the basis of a preliminary or final clinical diagnosis by making a reasoned decision according to existing algorithms and standard schemes.

PLO 10.	Determine the tactics of managing a dental patient with somatic pathology (according to list 3) by making a reasoned decision according to existing algorithms and standard schemes.
PLO 11.	Carry out the treatment of the main dental diseases according to the existing algorithms and standard schemes under the control of the doctor-supervisor in the conditions of a medical institution (according to list 2.1).
PLO 12.	Organize medical and evacuation measures among the population, military personnel, in emergency situations, including martial law, during the deployed stages of medical evacuation, taking into account the existing system of medical evacuation support.
PLO 13.	Determine the tactics of providing emergency medical care, using the recommended algorithms, under any circumstances based on the diagnosis of an emergency condition in limited time (according to list 4).
PLO 14.	Analyze and evaluate government, social and medical information using standard approaches and computer information technologies.
PLO 15.	Assess the impact of the environment on the state of health of the population in the conditions of a medical institution according to standard methods.
PLO 16.	Form goals and determine the structure of personal activity based on the result of the analysis of certain social and personal needs.
PLO 17.	Follow a healthy lifestyle, use self-regulation and self-control techniques.
PLO 18.	Be aware of and be guided in one's activities by civil rights, freedoms and obligations, to raise the general educational cultural level.
PLO 19.	Comply with the requirements of ethics, bioethics and deontology in the professional activities.
PLO 20.	Organize the necessary level of individual safety (own and of the persons they cares about) in case of typical dangerous situations in the individual field of activity
PLO 21.	Perform medical manipulations on the basis of a preliminary and/or final clinical diagnosis (according to lists 2, 2.1) for different segments of the population and in different conditions (according to list 6).
PLO 22.	Perform medical dental manipulations on the basis of a preliminary and/or final clinical diagnosis (according to lists 2, 2.1) for different segments of the population and in different conditions (according to list 7).
PLO 23.	Perform emergency medical care manipulations using standard schemes under any circumstances based on the diagnosis of an emergency (according to list 4) in limited time (according to lists 6, 7).

1.8. Resource support for program implementation

Staffing	<p>All scientific and pedagogical employees involved in implementing the educational and professional component of the educational programs have confirmed the level of scientific and professional activities, there are mainly full-time employees of Odesa National Medical University of the Ministry of Health of Ukraine.</p> <p>Staffing of the departments comply with the licensing conditions for conducting educational activities (Resolution of the Cabinet of Ministers of Ukraine "On approval of licensing conditions for conducting educational activities of educational institutions" dated 30.12.2015 No. 1187 as amended of 05.10.2018 No. 347).</p>
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Material and technical provision	<p>The material and technical base of ONMedU allows to ensure the educational process in all educational disciplines at the appropriate scientific and methodological level.</p> <p>Lecture halls and study rooms are equipped with modern multimedia equipment, technical teaching aids, and computer equipment; computer classes are set up at the departments; the university has simulation training classrooms for mastering practical skills, as well as a simulation center equipped with modern simulation equipment.</p> <p>Practical training is carried out at the university clinics of ONMedU, at the university's clinical bases for the practical training of higher education students, or under the terms of current agreements for training in health care institutions.</p> <p>The Educational and Production Complex of Innovative Technologies of Learning, Informatization and Continuous Education (EPC ITLICE) of ONMedU operates at the University, which provides technical support for testing, remote and final exams (OSCE), independent practice of practical skills by students.</p> <p>Simulators of the highest seventh level of realism, standardized and hybrid patients are available.</p>
Informational, educational and methodological provision	<p>Educational and methodological support of educational disciplines includes methodological instructions for lectures, practical classes, laboratory works, independent work of students; methodological materials for practical trainings, tasks for knowledge control, video recommendations for performing practical skills. Educational and methodological support is available electronically at https:// info.odmu.edu. ua /.</p> <p>ONMedU has modern information sources and computer equipment.</p> <p>The official website (https://onmedu.edu.ua) contains information about educational programs, educational, scientific and educational activities, structural subdivisions, admission rules, contacts.</p> <p>ONMedU library is a modern innovation center of the university, the library fund includes more than 900,000 documents of scientific and educational literature in Ukrainian and foreign languages, where modern educational literature, scientific, reference and professional periodicals are presented.</p> <p>The electronic library consists of more than 5,000 documents, mostly educational content. Electronic catalog https://library.odmu.edu.ua/catalog/ consists of over 170,000 records and operates 24/7 with options for authorized use of all digital documents.</p> <p>Access to international bibliographic and scientific-metric databases (Hinari, Scopus, WebofScience, etc.) and the annual subscription to scientific medical and biological publications, in particular in English.</p>
1.9. Academic mobility	
National credit mobility	<p>National credit mobility is carried out based on the Law of Ukraine "On higher education". Recognition results of the study in other institutions of higher education within the academic framework mobility is carried out according to ONMedU agreements.</p>

International mobility	credit	Carrying out international mobility within the program Erasmus + , cooperation agreements and other international programs (British Council, DAAD etc.), travel grants.
Teaching foreign seekers of higher education		Teaching foreign students is conducted according to the requirements of current legislation. Training is carried out in Ukrainian and/or English at the request of the student.

2. LIST OF EDUCATIONAL AND PROFESSIONAL PROGRAM COMPONENTS AND THEIR LOGICAL SEQUENCE

2.1. List of educational and professional program components

Code n/a	Educational and professional program components	Number of credits	Forms of final control
1. COMPULSORY COMPONENTS			
1.1. Cycle of general training disciplines			
CC 1	Foreign language (by professional direction)	3,0	Credit test
CC 2	The Latin Language	3,0	Grading test
CC 3	The Ukrainian language (by professional direction)	3,0	Credit test
CC 4	Medical biology	5,0	Exam
CC 5	Biophysics with medical informatics	4,0	Credit test
CC 6	Medicinal chemistry	3,0	Grading test
CC 7	Biological and bioorganic chemistry	6,0	Exam
CC 8	Human Anatomy	6,0	Exam
CC 9	Histology, cytology and embryology	6,0	Exam
CC 10	Philosophy with a cycle of academic integrity	3,0	Credit test
CC 11	Physiology	6,0	Exam
CC 12	Microbiology, virology and immunology	6,0	Exam
Totally for the cycle			54,0
1.2. Cycle of professional training disciplines			
CC 13	Social medicine, public health with epidemiology	3,0	Credit test
CC 14	Hygiene and ecology	3,0	Grading test
CC 15	Pathomorphology	6,0	Exam
CC 16	Pathophysiology	6,0	Exam
CC 17	Pharmacology	6,0	Exam
CC 18	Propaedeutics of therapeutic stomatology	3,0	Grading test
CC 19	Propedeutics of orthopedic dentistry	3,0	Grading test
CC 20	Propaedeutics of children's therapeutic dentistry	3,0	Grading test
CC 21	Training of reserve officers of the field of knowledge "Health care". Specialty "Dentistry "	3,0	Grading test
CC 22	Internal Medicine	6,0	Grading test
	<i>Propaedeutics of internal medicine</i>	2,0	
	<i>Internal diseases</i>	3,0	
	<i>Endocrinology</i>	1,0	
CC 23	Surgery with a neurosurgery course	7,0	Grading test
	<i>Surgical diseases</i>	2,0	
	<i>Neurosurgery</i>	1,0	
CC 24	<i>Oncology</i>	2,0	Grading test
CC 24.1	<i>Radiology</i>	2,0	Grading test
CC 25	Prevention of dental diseases	3,0	Grading test
CC 26	Therapeutic dentistry	13	Exam
CC 27	Surgical dentistry	13	Exam

CC 28	Orthopedic dentistry	13	Exam
CC 29	Orthodontics	7,0	Exam
CC 30	Otorhinolaryngology	3,0	Exam
CC 31	Children's therapeutic dentistry	9,0	Exam
CC 32	Children's surgical stomatology	5,0	Grading test
CC 33	Forensic medicine in dentistry. Medical law	3,0	Credit test
CC 34	General medical training	8,0	
CC 34.1	<i>Obstetrics and gynecology</i>	1,0	Credit test
CC 34.2	<i>Dermatovenereology</i>	1,0	Credit test
CC 34.3	<i>Emergency and urgent medical care</i>	1,0	Credit test
CC 34.4	<i>Infectious diseases</i>	1,0	Credit test
CC 34.5	<i>Neurology</i>	1,0	Credit test
CC 34.6	<i>Ophthalmology</i>	1,0	Credit test
CC 34.7	<i>Psychiatry, narcology</i>	1,0	Credit test
CC 34.8	<i>Physiology</i>	1,0	Credit test
Totally for the cycle		126,0	
Cycle of practical training disciplines			
CC 35	Practical placement (nursing):	4,0	KPI
	<i>therapeutic dentistry</i>	1,0	
	<i>children's therapeutic dentistry,</i>	1,0	
	<i>orthopedic dentistry,</i>	1,0	
	<i>surgical dentistry</i>	1,0	
CC 36	Practical dentistry placement:	6,0	KPI
	<i>therapeutic dentistry</i>	1,5	
	<i>children's therapeutic dentistry,</i>	1,5	
	<i>orthopedic dentistry,</i>	1,5	
	<i>surgical dentistry</i>	1,5	
CC 37	Simulation Dentistry:	35,0	
	<i>orthodontics</i>	7,0	Grading test
	<i>therapeutic dentistry</i>	7,0	Grading test
	<i>children's therapeutic dentistry,</i>	7,0	Grading test
	<i>orthopedic dentistry,</i>	7,0	Grading test
	<i>surgical dentistry</i>	7,0	Grading test
Totally for the cycle		45,0	
TOTAL SCOPE OF COMPULSORY COMPONENTS		225 ECTS credits	
2. ELECTIVE COMPONENTS OF THE EPP			
2.1. Disciplines of elective block 1			
<i>Block of general training</i>			
<i>A seeker of higher education must choose 6.0 ECTS credits</i>			
EC 1.1	Life Safety	3,0	Credit Test
EC 1.2	Biology of human behavior	3,0	Credit Test
EC 1.3	Foreign Language	3,0	Credit Test
EC 1.4	Information technologies in dentistry	3,0	Credit Test
EC 1.5	Basics of bioethics and biosafety	3,0	Credit Test
EC 1.6	Basics of logic	3,0	Credit Test
EC 1.7	Problems of prevention and prevention of the development of major dental diseases	3,0	Credit Test

EC 1.8	Psychology of communication in dentistry	3,0	Credit Test
EC 1.9	Modern problems of molecular biology	3,0	Credit Test
EC 1.10	Physical Education	3,0	Credit Test
<i>Block of historical, cultural and patriotic training of students</i>			
<i>A student of higher education must choose 6.0 ECTS credits</i>			
EC 1.12	History of domestic medicine and dentistry	3,0	Credit Test
EC 1.13	History of national philosophical thought	3,0	Credit Test
EC 1.14	History of Ukraine	3,0	Credit Test
EC 1.15	History of Ukrainian political teachings	3,0	Credit Test
EC 1.16	History of Ukrainian Culture	3,0	Credit Test
EC 1.17	Folk psychology	3,0	Credit Test
EC 1.18	Basics of democracy	3,0	Credit Test
EC 1.19	Ukrainian national idea	3,0	Credit Test
2.2 Disciplines of elective block 2			
<i>A seeker of higher education must choose 18.0 ECTS credits</i>			
EC 2.1	Aerobic types of health fitness	3,0	Credit Test
EC 2.2	Academic writing	3,0	Credit Test
EC 2.3	Anthropology	3,0	Credit Test
EC 2.4	Valeology	3,0	Credit Test
EC 2.5	Deontology in medicine	3,0	Credit Test
EC 2.6	European standard of computer literacy (dentistry)	3,0	Credit Test
EC 2.7	The image of a doctor	3,0	Credit Test
EC 2.8	Foreign language (by professional direction)	3,0	Credit Test
EC 2.9	Clinical anatomy and operative surgery of the head and neck	3,0	Credit Test
EC 2.10	Conflictology	3,0	Credit Test
EC 2.11	Medical law of Ukraine	3,0	Credit Test
EC 2.12	Basic technologies of manufacturing dental prostheses	3,0	Credit Test
EC 2.13	Politology	3,0	Credit Test
EC 2.14	Professional medical terminology in dentistry	3,0	Credit Test
EC 2.15	Sociology and medical sociology	3,0	Credit Test
EC 2.16	Modern materials science in therapeutic dentistry	3,0	Credit Test
EC 2.17	Modern features of preparation of carious cavities and root canals of teeth	3,0	Credit Test
EC 2.18	Modern technologies of integral prosthetics	3,0	Credit Test
EC 2.19	Theory and practice of professional language communication	3,0	Credit Test
EC 2.20	Safety techniques for working with medical equipment	3,0	Credit Test
EC 2.21	Temporal aspects of human existence	3,0	Credit Test
2.3 Disciplines of elective block 3			
<i>A seeker of higher education must choose 15.0 ECTS credits</i>			
EC 3.1	Barrier-free environment: psychological foundations	3,0	Credit Test
EC 3.2	Classic massage	3,0	Credit Test
EC 3.3	Cellular technologies in dentistry	3,0	Credit Test
EC 3.4	Marketing in dentistry	3,0	Credit Test

EC 3.5	Medical psychology	3,0	Credit Test
EC 3.6	Basics of aesthetic restoration of teeth	3,0	Credit Test
EC 3.7	Basics of medical communications	3,0	Credit Test
EC 3.8	Peculiarities of professional oral hygiene in children	3,0	Credit Test
EC 3.9	Professional medical terminology in dentistry	3,0	Credit Test
EC 3.10	Occupational diseases of dentists	3,0	Credit Test
EC 3.11	X-ray examination methods in orthodontics	3,0	Credit Test
EC 3.12	World civilizations	3,0	Credit Test
EC 3.13	Modern methods of dental caries treatment and filling materials in the children's dentistry clinic	3,0	Credit Test
EC 3.14	Modern local anesthetics used in dentistry	3,0	Credit Test
EC 3.15	Ukrainian medical terminology	3,0	Credit Test
EC 3.16	Ukrainian as a foreign language	3,0	Credit Test
EC 3.17	Fitness with elements of combat sports	3,0	Credit Test
EC 3.18	Functional adaptation of the maxillofacial system during orthopedic treatment	3,0	Credit Test
EC 3.19	Functional diagnosis of dental diseases with the basics of muscle testing and electromyography	3,0	Credit Test
2.4 Disciplines of elective block 4			
<i>A seeker of higher education must choose 15.0 ECTS credits</i>			
EC 4.1	Current issues of minimally invasive surgical technologies in the treatment of dental diseases	3,0	Credit Test
EC 4.2	Viral infections associated with immunosuppression in the practice of a dentist	3,0	Credit Test
EC 4.3	Hydrotherapy, SPA procedures	3,0	Credit Test
EC 4.4	Gnathological orthodontics	3,0	Credit Test
EC 4.5	Dermatovenerology	3,0	Credit Test
EC 4.6	Endodontic technique in pediatric dentistry	3,0	Credit Test
EC 4.7	Clinical pathophysiology	3,0	Credit Test
EC 4.8	Clinical pharmacology	3,0	Credit Test
EC 4.9	Therapeutic and sports massage	3,0	Credit Test
EC 4.10	Mini-implants and bone anchorage in modern orthodontics	3,0	Credit Test
EC 4.11	Justification of the methods of operative interventions used in surgical stomatology	3,0	Credit Test
EC 4.12	A multidisciplinary approach in the rehabilitation of children with congenital SCD pathology	3,0	Credit Test
EC 4.13	Professional oral hygiene, modern methods of remineralizing therapy	3,0	Credit Test
EC 4.14	Mentally regulating types of health fitness	3,0	Credit Test
EC 4.15	Early orthodontic treatment	3,0	Credit Test
EC 4.16	Forensic Medicine	3,0	Credit Test
EC 4.17	Modern technologies of application of fixed orthodontic equipment	3,0	Credit Test
EC 4.18	Physical methods of diagnosis and treatment in periodontology	3,0	Credit Test
2.5 Disciplines of elective block 5			
<i>A seeker of higher education must choose 15.0 ECTS credits</i>			

EC 5.1	Clinical immunology and allergology in dentistry	3,0	Credit Test
EC 5.2	Planning and orthodontic treatment as a preparatory stage before orthognathic surgery and orthopedic treatment	3,0	Credit Test
EC 5.3	Use of aesthetic approaches in planning orthopedic interventions	3,0	Credit Test
EC 5.4	Basics of aesthetic dentistry	3,0	Credit test
EC 5.5	Basics of clinical and laboratory diagnostics of dental diseases	3,0	Credit Test
EC 5.6	Side effects of drugs	3,0	Credit Test
EC 5.7	Pharmacology of drugs for dental diseases	3,0	Credit test
EC 5.8	Kinesio taping in medicine and sports	3,0	Credit test
EC 5.9	Cosmetic and Anti - age massage	3,0	Credit test
EC 5.10	Manual methods of physical therapy. Postisometric relaxation	3,0	Credit Test
EC 5.11	Strength fitness	3,0	Credit Test
EC 5.12	Sports nutricitology	3,0	Credit test
EC 5.13	Home care of the sick and disabled	3,0	Credit Test
EC 5.14	Physical therapy and occupational therapy	3,0	Credit Test
EC 5.15	Dental implant systems. Features of use and marketing	3,0	Credit test
EC 5.16	Modern diagnosis of TMJ diseases	3,0	Credit test
EC 5.17	Digital technologies in dental implantology (CAD CAM)	3,0	Credit Test
EC 5.18	Social aspects in the prevention and prediction of complications of dental implantation.	3,0	Credit Test
TOTAL SCOPE OF ELECTIVE COMPONENTS		75 ECTS credits	
TOTAL SCOPE OF THE EDUCATIONAL-PROFESSIONAL PROGRAM		300 ECTS credits	

2.2. The sequence of educational activities of the higher education seeker by educational components

No	The name of the academic discipline	Distribution by study years				
		1	2	3	4	5
1.	Philosophy with academic integrity	*				
2.	The Latin Language	*				
3.	The Ukrainian language (by professional direction)	*				
4.	Foreign Language	*				
5.	Medical biology	*				
6.	Biophysics with medical informatics	*				
7.	Medicinal chemistry	*				
8.	Microbiology, virology and immunology	*				
9.	Human anatomy	*				
10.	Histology, cytology, embryology	*				
11.	Hygiene and ecology	*				
12.	Biological and bioorganic chemistry	*	*			
13.	Elective components amounting to 12.0 ECTS credits	*				
14.	Physiology		*			
15.	Training of reserve officers in the field of knowledge "Health care", Specialty "Dentistry"		*			
16.	Social medicine, public health with epidemiology		*			
17.	Propaedeutics of therapeutic stomatology		*			
18.	Propedeutics of orthopedic dentistry		*			
19.	Propaedeutics of children's therapeutic dentistry		*			
20.	Prevention of dental diseases		*			
21.	Practical placement (nursing)		*			
22.	Pathomorphology		*	*		
23.	Pathophysiology		*	*		
24.	Pharmacology		*	*		
25.	Elective components amounting to 18.0 ECTS credits		*			
26.	Internal Medicine			*		
	<i>Propaedeutics of internal medicine</i>			*		
	<i>Internal diseases</i>			*		
	<i>Endocrinology</i>			*		
27.	Surgery			*		
	<i>Surgical diseases</i>			*		
	<i>Oncology</i>			*		
	<i>Radiology</i>			*		
	<i>Neurosurgery</i>				*	
28.	Forensic medicine in dentistry. Medical law			*		
29.	Otorhinolaryngology			*		
30.	Elective components amounting to 15.0 ECTS credits			*		
31.	General medical training			*		
	<i>Dermatology, venereology</i>			*		
	<i>Neurology</i>			*		
	<i>Emergency and urgent medical care</i>			*		
	<i>Obstetrics and gynecology</i>				*	
	<i>Infectious diseases</i>				*	

	<i>Ophthalmology</i>				*	
	<i>Psychiatry, narcology</i>				*	
	<i>Physiology</i>				*	
32.	Children's surgical stomatology			*	*	
33.	Therapeutic dentistry			*	*	*
34.	Surgical dentistry			*	*	*
35.	Orthopedic dentistry			*	*	*
36.	Children's therapeutic dentistry			*	*	*
37.	Orthodontics				*	
38.	Practical placement in dentistry				*	
39.	Elective components amounting to 15.0 ECTS credits				*	
40.	Simulation dentistry					*
	<i>Therapeutic dentistry</i>					*
	<i>Surgical dentistry</i>					*
	<i>Orthopedic dentistry</i>					*
	<i>Children's therapeutic dentistry</i>					*
	<i>Orthodontics</i>					*
41	Elective components amounting to 15.0 ECTS credits					*

Learning outcomes are determined by types of learning activities as a specification of program learning outcomes in the working programs of educational disciplines and practical training and used as criteria for selecting the necessary content sections and relevant learning elements. The working program of an educational discipline must determine the total time for learning, the form of final control, the list of basic disciplines, requirements for informational and methodological support, requirements for evaluation criteria, requirements for the structure of the working program of the educational discipline.

2.3. COMPLIANCE MATRIX OF PROGRAM COMPETENCIES

Competencies	CC 1	CC 2	CC 3	CC 4	CC 5	CC 6	CC 7	CC 8	CC 9	CC 10	CC 11	CC 12	CC 13	CC 14	CC 15	CC 16	CC 17	CC 18	CC 19	CC 20	CC 21	CC 22	CC 23	CC 24	CC 24.1	CC 25	CC 26	CC 27	CC 28	CC 29	CC 30	CC 31	CC 32	CC 33	CC 34.1	CC 34.2	CC 34.3	CC 34.4	CC 34.5	CC 34.6	CC 34.7	CC 34.8	CC 35	CC 36	CC 37					
IC	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
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GC 9										+			+	+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 10												+	+	+								+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 11							+											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 12				+	+	+	+					+					+									+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 13										+		+	+	+			+					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 14										+			+										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
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SC 4												+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SC 5																		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SC 6							+															+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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	CC 1	CC 2	CC 3	CC 4	CC 5	CC 6	CC 7	CC 8	CC 9	CC 10	CC 11	CC 12	CC 13	CC 14	CC 15	CC 16	CC 17	CC 18	CC 19	CC 20	CC 21	CC 22	CC 23	CC 24	CC 24.1	CC 25	CC 26	CC 27	CC 28	CC 29	CC 30	CC 31	CC 32	CC 33	CC 34.1	CC 34.2	CC 34.3	CC 34.4	CC 34.5	CC 34.6	CC 34.7	CC 34.8	CC 35	CC 36	CC 37					

2.4. MATRIX OF PROVIDING PROGRAM LEARNING OUTCOMES (PLO) BY RELEVANT COMPONENTS OF THE EDUCATIONAL-PROFESSIONAL PROGRAM

PLO	CC 1	CC 2	CC 3	CC 4	CC 5	CC 6	CC 7	CC 8	CC 9	CC 10	CC 11	CC 12	CC 13	CC 14	CC 15	CC 16	CC 17	CC 18	CC 19	CC 20	CC 21	CC 22	CC 23	CC 24	CC 24.1	CC 25	CC 26	CC 27	CC 28	CC 29	CC 30	CC 31	CC 32	CC 33	CC 34.1	CC 34.2	CC 34.3	CC 34.4	CC 34.5	CC 34.6	CC 34.7	CC 34.8	CC 35	CC 36	CC 37											
PLO 1								+	+		+	+			+	+								+	+		+	+	+	+	+	+	+		+						+	+	+	+	+											
PLO 2				+		+	+	+	+		+	+				+	+						+	+		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+										
PLO 3						+	+		+			+				+						+	+		+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+										
PLO 4																+	+					+	+		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+										
PLO 5																	+							+					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									
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PLO 22																												+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
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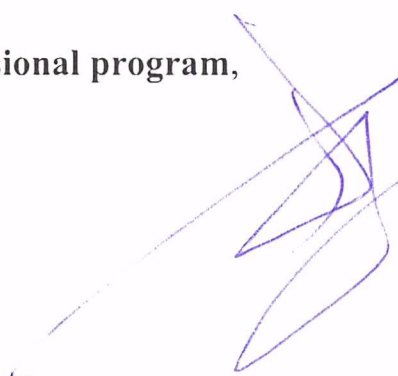
PLO – PROGRAM LEARNING OUTCOMES

3. Form of certification of higher education seekers

Certification of graduates of the educational program (master's degree holders) in the specialty 221 "Dentistry" of the field of knowledge 22 "Health care" is carried out in the form of a qualifying (clinical) exam, the procedure for which is established by the Resolution of the Cabinet of Ministers of Ukraine dated 28.03.2018 No. 334 " On the approval of the procedure for conducting a unified state qualification exam for holders of a master's degree in the field of knowledge "22 Health care" (Unified State Qualification Exam (USQE) stage 1, USQE stage 2, complex practically oriented exam or defense of a master's thesis) and ending with the issuance to the graduate of a document on the higher education of the established model on awarding him a master's degree with the qualification: "Master of Dentistry".

Certification is carried out openly and publicly.

Guarantor of the educational-professional program,
doctor of medical sciences, professor
of the department of surgical dentistry



Anatolii HULIUK

List 1 (syndromes and symptoms)

1. adentia
2. anemia
3. malocclusion
4. facial asymmetry
5. atrophy
6. pain dysfunction of the TMJ
7. pain in the heart area
8. pain in the teeth
9. pain in the abdomen
10. pain in the soft tissues of the maxillofacial area
11. pain in the bones of the face
12. loss of consciousness
13. loss of clinical attachment
14. hypermobility of the articular head of the TMJ
15. hemorrhagic syndrome
16. hyperesthesia
17. hypersalivation
18. headache
19. hugeness (open, closed)
20. deviation of the lower jaw destruction of bone tissue
21. defects of the crown part of the tooth
22. deformation of the bones of the facial skeleton
23. deformation of the bite
24. dental discoloration
25. facial disproportion
26. jaundice
27. suffocation and asphyxia
28. inflammatory infiltration of tissues of the maxillofacial area
29. dizziness
30. discoloration of the skin, mucous membrane of the oral cavity
31. change in the shape of teeth
32. change of interalveolar height
33. lesions on the skin and oral mucosa
34. convergence (divergence) of teeth
35. xerostomia
36. fever
37. lymphadenopathy
38. macroglossia
39. macrocheilia
40. maceration of the corners of the mouth
41. meningeal syndrome
42. edema syndrome
43. dental deposits
44. fistula course
45. restriction of mouth opening
46. paresis, paralysis of nerves of maxillofacial localization
47. burning of the mucous membrane
48. pathological abrasion of teeth
49. violation of the lower jaw movements
50. impaired taste
51. impaired sensitivity of the maxillofacial tissues
52. impaired sucking and swallowing functions, pathological tooth mobility
53. tumors and tumor-like neoplasms in the maxillofacial area
54. gum recession
55. mobility of bone fragments of the facial skeleton
56. thinning of the cortical plate of the jaws
57. "emptying-filling"
58. partial and complete loss of teeth
59. fluctuation
60. chemosis
61. cyanosis (diffuse and local)
62. cleft facial defects, I-II gill arch syndrome
63. gingival, periodontal, bone pocket

List 2 (dental diseases)

1. Therapeutic Dentistry:

A) Non-carious lesions of hard tissues of teeth:

1. hyperesthesia
2. enamel hypoplasia, hyperplasia
3. fluorosis
4. erosion of hard tooth tissues
5. wedge-shaped defect
6. grinding teeth
7. necrosis of hard tissues of the tooth
8. discoloration
9. traumatic injuries of teeth

B) Caries and its complications:

10. caries
11. pulpitis
12. periodontitis

C) Periodontal diseases:

13. papillitis
14. gingivitis (localized, generalized)
15. periodontitis (localized, generalized)
16. periodontosis
17. idiopathic periodontal diseases

D) Diseases of the mucous membrane of the oral cavity (MMOC):

18. traumatic lesions of the MMOC
19. autoinfectious diseases of the oral mucosa (acute aphthous stomatitis, herpetic, ulcerative necrotic, candidal lesions of the oral mucosa)
20. secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhoea)
21. MMOC disease in dermatoses with an autoimmune component of pathogenesis (vemiculosis, lichen planus, lupus erythematosus)
22. changes in the MMOC in case of allergic lesions
23. changes in the MMOC in case of intoxication with salts of heavy metals
24. symptomatic viral diseases (AIDS, influenza, foot and mouth disease, infectious mononucleosis)
25. symptomatic manifestations of diseases of the gastrointestinal tract (ulcer disease, gastritis, enteritis, colitis, chronic hepatitis)
26. symptomatic manifestations of diseases of the cardiovascular system (circulatory insufficiency, essential arterial hypertension)

27. symptomatic manifestations of endocrine system diseases (acromegaly, Itsenko-Cushing syndrome, diabetes, hyper- and hypothyroidism)
28. symptomatic manifestations of blood diseases (anemia, thrombocytopenic purpura, leukemia)
29. symptomatic manifestations of hypo- and vitamin deficiency
30. diseases and abnormalities of the tongue (desquamative glossitis, rhomboid glossitis, folded tongue, hairy tongue)

31. neurogenic diseases of the tongue (glossalgia, stomalgia, ganglionitis)
32. independent and symptomatic cheilitis (actinic, meteorological, contact allergic, glandular, exfoliative, eczematous, atopic)

E) Pre-cancer of the MMOC and the red border of the lips:

33. obligate precancers (Bowen's disease, warty precancer, limited precancerous hyperkeratosis, Manganotti cheilitis)
34. optional pre-cancers

2. Childhood dentistry:

A) Dental pathology:

35. enamel hypoplasia (systemic and local)
36. endemic fluorosis
37. congenital malformations of the hard tissues of children's teeth
38. caries and its complications in temporary and permanent teeth in children
39. traumatic lesions of teeth

B) Periodontal pathology:

40. gingivitis
41. idiopathic periodontal diseases
42. periodontitis

C) Pathology of the mucous membrane of the oral cavity (MMOC):

43. allergic diseases of the MMOC
44. abnormalities and diseases of the tongue
45. Fungal lesions of MMOC in children
46. changes in the MMOC in systemic diseases
47. changes in the MMOC in specific diseases
48. acute viral and infectious diseases manifestations on the MMOC (diphtheria, chicken pox, measles, infectious mononucleosis, scarlet fever)
49. viral diseases of the respiratory tract (acute

herpetic stomatitis, recurrent herpetic stomatitis, shingles)

50. independent and symptomatic cheilitis, glossitis

D) Inflammatory diseases of the maxillofacial area:

51. periostitis

52. osteomyelitis of the jaws

53. diseases of the temporomandibular joint

54. diseases of the salivary glands

55. lymphadenitis

56. non-odontogenic inflammatory processes of soft tissues (furuncle, carbuncle, hysteria)

57. specific inflammatory processes (tuberculosis, syphilis, actinomycosis)

58. phlegmons and abscesses

E) Injuries of the maxillofacial area:

59. damage to soft tissues (wounds, burns), teeth, jaws, facial bones, TMJ

F) Tumors and tumor-like formations of the maxillofacial area:

60. benign tumors and tumor-like neoplasms of soft tissues and bones of the face

61. malignant tumors of soft tissues and bones of the face

G) Congenital malformations of the face:

62. non-closure of the upper lip, alveolar process, hard and soft palate (isolated and through)

63. anomalies of attachment of soft tissues of the oral cavity (frenum of the lips, tongue, shallow vestibule of the oral cavity)

64. congenital syndromes

C) TMJ diseases, ankylosis

3. Maxillofacial Surgery:

A) Inflammatory diseases of the maxillofacial area:

65. deep and superficial phlegmons, abscesses

66. lymphadenitis

67. neuritis of the trigeminal nerve, facial nerve, neuralgia

68. neodontogenic inflammatory processes

69. odontogenic sinusitis

70. periodontitis, periodontitis, alveolitis, periostitis, osteomyelitis; pericoronary

71. inflammatory diseases of the salivary glands

72. specific inflammatory processes (tuberculosis, syphilis, actinomycosis)

B) Injuries of the maxillofacial area:

73. injuries of teeth and bones of the facial skeleton

74. injuries of soft tissues, tongue and MMOC

75. gunshot wounds and non-gunshot tissue injuries of maxillofacial localization; cranio-maxillofacial injuries

76. thermal, chemical, electrical and radiation damage to maxillofacial tissues localization; combined trauma

C) Temporomandibular joint (TMJ) diseases:

77. arthritis, arthrosis-arthritis, arthrosis

78. ankylosis

79. TMJ dysfunctions, dislocations and contractures of the lower jaw

D) Tumors and tumor-like formations of the MMOC, salivary glands, and soft tissues in the maxillofacial area and neck, bones of the facial skeleton:

80. benign tumors and tumor-like formations

81. precancerous diseases and malignant tumors of the respiratory tract, salivary glands, and soft tissues in the maxillofacial area and neck, bones of the facial skeleton

D) Congenital and acquired defects and deformations of head and neck tissues

82. anomalies of teeth development, congenital deformities of the jaws, defects and deformities of the facial skeleton bones, combined anomalies and deformations of the brain and facial skeleton and dental and jaw system

83. congenital defects and deformations of the soft tissues of the head and neck

84. acquired defects and deformations of soft tissues of the maxillofacial localization and neck, bones of the facial skeleton

85. age-related changes in the soft tissues of the face and neck, vertical and horizontal atrophy of the alveolar processes of the jaw bones, adentia, gum recession

86. cosmetic defects and deformations of organs and tissues of the head and neck

F) Dysplastic diseases of the maxillofacial area

87. dystrophic diseases of periodontal tissues

88. sialosis

89. dysplastic diseases of soft tissues of the head and neck

F) Neurostomatological diseases

90. neuritis, neuralgia of the trigeminal nerve

4. Orthopedic dentistry:

91. partial loss of teeth

a) distally limited defects of tooth rows

b) distally unlimited defects of tooth rows

92. complete loss of teeth

93. excessive wear of teeth

- 94. defects of the crown part of the teeth
- 95. complete destruction of the crown part of the tooth
- 96. dento-jaw deformations
- 97. parafunctions of masticatory muscles
- 98. traumatic occlusion
- 99. injuries and defects of the jaws, nose, ears, orbit, combined defects
- 100. TMJ diseases
- 101. TMJ dysfunctions

5. Orthodontics

A) abnormalities of individual teeth:

- 102. sizes
- 103. forms
- 104. quantity
- 105. retention

B) anomalies of the position of the teeth:

- 106. diastemas and tremes
- 107. crowding of teeth
- 108. cake anomaly
- 109. vestibulo-oral position of teeth, dystopia, transposition, supra-infraposition

C) sagittal anomalies of bite:

- 110. progeny (mesial) (skeletal, tooth-alveolar)
- 111. prognathia (distal) (skeletal, tooth-alveolar)

D) vertical malocclusions:

- 112. open (skeletal, dentoalveolar)
- 113. deep (skeletal, dentoalveolar)

D) transverse bite anomalies:

- 114. cross (one - or bilateral, with or without displacement of the lower jaw) (skeletal, dentoalveolar).

List 2.1 (main dental diseases)

1. non-carious lesions of teeth
2. caries of temporary and permanent teeth
3. diseases of the pulp of temporary and permanent teeth
4. periodontitis of temporary and permanent teeth
5. papillitis
6. gingivitis
7. periodontitis
8. periodontal disease
9. traumatic lesions
10. autoinfectious diseases of the oral mucosa (acute aphthous stomatitis, herpetic, ulcerative-necrotic, candidal lesions of the oral mucosa)
11. secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhea)
12. Manifestations of immunodeficiency states in AIDS
13. allergic lesions
14. alveolitis
15. pericoronaritis
16. periostitis
17. lymphadenitis
18. traumatic damage to the soft tissues of the face
19. acute and habitual dislocation of the lower jaw
20. uncomplicated fractures of the upper and lower jaws
21. defects of the crown part of the teeth
22. partial and complete absence of teeth

List 3. Physiological conditions and somatic diseases that require special patient management tactics

A) Physiological states:

1. pregnancy

B) Diseases of the blood and hematopoietic organs:

2. anemia

3. hemophilia

4. leukemia

5. thrombocytopenic purpura

C) Cardiovascular diseases:

6. arterial hypertension

7. infectious endocarditis

8. heart defects

9. heart failure

10. cardiac arrhythmia

11. presence of a pacemaker

D) Mental disorders:

12. acute psychosis, including alcoholic delirium

13. epilepsy

E) Diseases of the respiratory system and mediastinum:

14. bronchial asthma

F) Pathology of the ENT organs:

15. tonsillitis

16. rhinitis

17. sinusitis

18. curvature of the nasal membrane

G) Diseases of the endocrine system:

19. diabetes

20. diseases of the thyroid gland

H) Pathologies of the musculoskeletal system and connective tissue:

21. systemic vasculitis (hemorrhagic vasculitis)

22. rheumatoid arthritis

23. violation of posture

E) Infectious and parasitic diseases:

24. HIV infection / AIDS

25. viral hepatitis

26. diphtheria

27. tetanus

28. anthrax

29. tuberculosis of various localization

30. cholera

31. plague

32. gonorrhea

33. syphilis

List 4 (emergency conditions)

1. asphyxia (including newborns)
2. hypertensive crisis
3. acute respiratory failure
4. acute heart failure
5. acute poisoning
6. "sharp" stomach
7. electric shock
8. fainting
9. external bleeding
10. collapse
11. coma
12. swelling of the larynx
13. Quincke's edema
14. burns and frostbite
15. convulsions
16. drowning
17. physiological childbirth
18. shock
19. bone injury

List 5 (laboratory and instrumental studies)

1. punctate analysis of neoplasms of soft tissues and bones
2. histomorphological examination of a biopsy of lymph nodes, salivary glands, mucous membranes, soft tissues
3. analysis of glucose content in the blood
4. study of control and diagnostic models of jaws
5. study of the functions of the TMJ (breathing, swallowing, speech, chewing and TMJ)
6. general blood test
7. general analysis of urine
8. biochemical analysis of blood
9. immunological research in dental diseases
10. coagulogram analysis
11. interpretation of X-ray diagnostics of the skull, maxillofacial apparatus, salivary glands
12. cytological examination of the organs and tissues of the maxillofacial apparatus
13. microbiological examination of oral fluid, swabs from the oral cavity, periodontium
14. functional diagnosis of the state of the oral cavity (luminescent, rheoperiodontography, stomatoscopy, capillaroscopy, vacuum test, etc.).

List 6 (medical manipulations)

1. perform artificial respiration
2. perform indirect heart massage
3. fix the tongue
4. temporarily stop external bleeding
5. carry out primary surgical treatment of wounds
6. wash the stomach, intestines
7. carry out transport immobilization
8. inject medicinal substances (intramuscular, subcutaneous, intravenous and drip)
9. measure blood pressure
10. carry out the primary toilet of the newborn
11. determine the blood group, Rhesus factor

List 7 (dentistry manipulations)

1. alveolotomy
2. amputation of the pulp of temporary and permanent teeth
3. anthropometric studies of jaw models
4. selective grinding of teeth, alignment of the occlusal surface, occlusogram, periodontogram filling
5. production of temporary splints and splinting for fractures of teeth, alveolar processes and jaws
6. removal of dental layers
7. determination of acid resistance of tooth enamel (TER, KOSHER, SCT-test)
8. determination and fixation of the central ratio
9. definition of Tsilinsky's symptom
10. definition of a constructive bite
11. determination of the sagittal gap
12. determination of the vertical gap
13. determination of signs of orthognathic bite and its varieties
14. determination of signs of pathological types of bites
15. reduction of dislocation of the lower jaw
16. sealing of fissures
17. diagnostic use of dyes
18. diathermocoagulation
19. pulp extirpation of temporary and permanent teeth
20. electroodontology
21. the use of local agents in the treatment of periodontal diseases
22. local anesthesia in the treatment of dental diseases by various methods (application, infiltration, conductor)
23. removal of artificial crowns
24. tooth-preserving surgical interventions in periodontitis
25. stopping bleeding after tooth extraction
26. deep fluoridation of hard tissues of temporary teeth
27. correction of partial and complete removable prostheses
28. correction and activation of removable orthodontic devices
29. curettage of the cavity
30. curettage of periodontal pockets
31. medical treatment of affected areas of the mucous membrane of the oral cavity and periodontium
32. application and removal of temporary fillings and hermetic dressings in the treatment of caries, pulpitis, periodontitis
33. laying of cofferdam
34. application of maxillofacial appliances (restorative, forming, replacing and fixing)
35. obturation of root canals of temporary and permanent teeth with various materials
36. obtaining anatomical and functional impressions with different impression material
37. obtaining jaw models
38. obtaining impressions from intraosseous implants
39. parallelometry when planning the design of a brace prosthesis
40. checking the structure of the prosthesis with partial and complete absence of teeth
41. periostomy
42. filling carious cavities of temporary and permanent teeth with various filling materials
43. covering teeth with therapeutic and preventive varnishes, gels, desensitizers
44. preparation of teeth for metal stamped, plastic solid, solid combined, metal-free crown
45. preparation of teeth for tabs and veneers
46. preparation and cleaning of root canals of temporary and permanent teeth
47. tooth root preparation for a pin structure
48. preparation of carious cavities of temporary and permanent teeth, taking into account the type of sealing material
49. fitting of various types of artificial crowns
50. intradental electrophoresis
51. ligature binding of teeth
52. conducting professional oral hygiene
53. carrying out professional hygiene in the area of implants
54. conducting physiological separation
55. carrying out periodontal probing
56. direct and indirect coating of the pulp
57. registration of the position of the upper jaw using the facial arch
58. opening of a periodontal abscess
59. incision and excision of the hood in case of pericoronaritis
60. compilation of the IGPR algorithm
61. temporary immobilization for jaw fractures
62. typical and atypical removal of temporary and permanent teeth

- 63. cystotomy
- 64. fixation of crowns and bridge-like prostheses
- 65. fixation of orthodontic ring, crown
- 66. fixation of the central ratio for II, III, IV groups of defects

- 67. surgical treatment of soft tissue wounds of the face within one anatomical area
- 68. grinding and polishing of seals fmade of all types of sealing materials